# DoD Corrosion Prevention and Control

# Introducing Products to DoD Utilizing Specifications and Standards

2008 DoD Standardization Conference March 2008, Arlington, VA

Mr. Robert A. Herron
US Army Aviation and Missile RDEC
Redstone Arsenal, AL









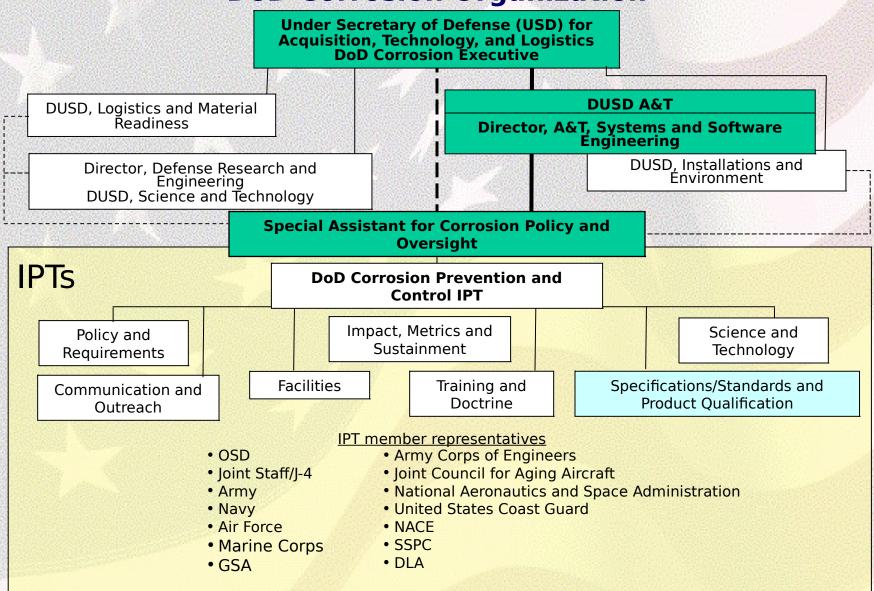




# Background:

 In order to adequately perform the DoD Corrosion Prevention and Mitigation mission, ..., DoD established an overarching Corrosion Prevention and Control Integrated Product Team (CPCIPT) and Working Integrated Product Teams (WIPTs) to implement strategies, determine objectives and develop and execute plans, procedures and roadmaps.

### **DoD Corrosion Organization**



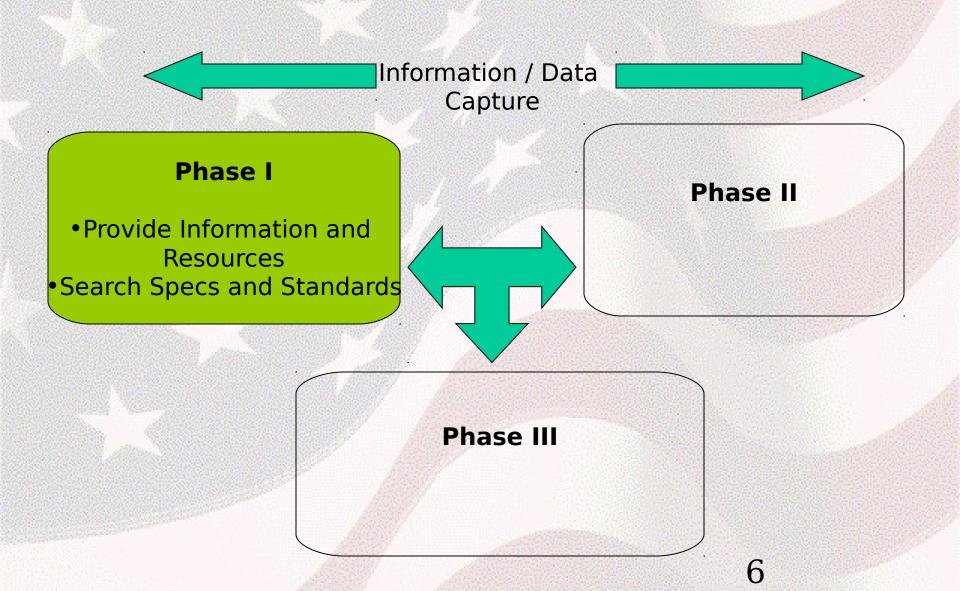
# Specification, Standards, and Qualification Process WIPT

- Establish, refine, and develop a process for implementing a standardized, streamlined, and significantly improved method of assessing and introducing new technologies and products.
  - Provide SSQP information and processes via the DoD information and data exchange website.
  - Improve inter-service standardization, communication, and coordination...
  - Facilitate manufacturer's "path forward" for product introduction

# **SSQP Product Introduction Process**

- The SSQP WIPT Identified 3 areas of the product introduction process to address:
  - Phase I:
    - Establish a single point source of information on product introduction and populate with SSQP information and resources
    - Identify, categories, and assess pertinent corrosion specifications
    - Status: Deployed Dec 2004 Upgraded Oct 2007
  - Phase II:
    - Develop a resource to explain the existing production introduction paths for products covered by existing specifications or standards.
    - Status: Deployed July 2006 Upgraded Oct 2007
  - Phase III:
    - Develop / Define a product introduction process to facilitate the introduction of new products or product applications that are not covered by existing specifications or standards.
    - Status: Development in Progress

## **The Product Introduction Process**



# How are Products covered under the Defense Standardization Program (DSP)

- Formal Qualification (Qualified Products List/Database)
   (SD-20, SD-6) Transitioning to Qualified Products Database
  - Performance (PRF) or Detail (DTL) Specification
  - In General, Most Specifications do not have Qualified Products Lists (QPL)
- Non Government Standard (NGS) (SD-9)
  - Can be Adopted if Technically Adequate for DoD Needs
  - In General, Most NGS do not have an associated QPL
- Commercial Item Description(CID) (SD-2, SD-5)
  - For Existing Suitable Commercial Products where an appropriate NGS Does Not Exist
  - Not Used to Encourage Development of Product (no QPL Testing)
- Non Developmental Item (NDI) (FAR, SD-2)
- First Article Inspection (Acceptance Testing) (FAR)
- Purchase Description (SD-2, SD-5)
  - When preparation and maintenance of a specification is not cost effective
  - For small dollar purchases under \$25,000
  - For one-time buys

# www.CorrDefense.or



Home

Members

Reference Library

Societies & Associations

Other Corrosion Websites

WIPTs & Working Groups

### Why Corrosion Matters to the DoD

- Corrosion A Persistent Battle
- Why DoD Must Protect its Assets
- The Mission of the DoD Corrosion Office

### What This Web Site Offers

- Welcome to CorrDefense
- A Networking Tool
- Round the Clock Collaboration
- Content Open to the General Public
- Exclusive Benefits for Members

### CorrDefense eMagazine



Volume 3, No. 2 Summer 2007

Current Issue

Previous Issues

### Spotlight

Title Type



Password requirements



New pages and functionality

available!

### Resources

- 10 U.S.C. 2228
- DODD 4151.18
- DODD 5000.1
- DODI 5000.2
- DFARS 207.105(b)(13)(ii)
- CPC Policy Memorandum
- CPC Planning Guidebook Spiral #3 (new)
- Report to Congress
- AT&L Knowledge Sharing
- Training Opportunities

### **Product Introduction**

Learn more about processes for introducing your corrosion prevention and maintenance technologies.



### **News & Events**

### PACE 2008 Call for Papers and Presentations

by LMI\ewingrov

Now is the time to share your insights and expertise! Submit a proposal to participate as a speaker at PACE 2008 in Los Angeles, January 27-30, 2008, and expose your innovative ideas to over 3,000 industry professionals.

http://www.pace2008.com/pace2008cfp.html

### Committee on Assessing **Corrosion Education**

8/28/2007 12:48 PM

8/28/2007 12:53 PM

by LMI\ewingrov

The National Materials Advisory Roard is convening a

## **Product Introduction Home**

Dago link

# **Product Introduction Home**



Members Reference Library Societies & Associations

Other Corrosion Websites WIPTs & Working Groups

### DLA: Doing Business with the Defense Logistics Agency

DLA provides this training program for small businesses, to educate them on doing business with the Federal Government, specifically DLA, and facilitate their competing more effectively in the new environment of long-term contracts, prime vendor contracts, and other new business practices.

### Doing Business with the Department GSA: How to Sell to the Government Specs & Standards of Defense

DefenseLink offering a list of references to assist vendors to do business with the US Department of Defense.

US General Services Administration (GSA) is the federal government's business manager, buyer, real estate developer, telecommunications manager, and IT solutions provider. GSA offers businesses the opportunity to sell billions of dollars worth of products and services to federal agencies through contract vehicles.

To search/review Corrosion Prevention and Control (CPC) Specifications and Standards used by the DoD select the link below.

Specs and Standards Search Tool

### Product Introduction Process

This DoD web-based Product Introduction Process (PIP) is designed to assist suppliers in matching their product(s) to specifications and standards currently used by the DoD for corrosion prevention and control (CPC) and to facilitate the introduction of these CPC products to DoD agencies. Once you have identified the applicable specification(s) that matches your product, the appropriate steps to proceed forward for that type of specification will be provided (Qualified Products List, Non-Government Standards, Purchase Description, etc.). For example, for specifications with formal qualification, you will need to submit a formal request for testing to the appropriate cognizant Agency Point of Contact.

Registration to CorrDefense is required to access this feature of the site which includes; saving of specification searches for later use and submitting information to the DoD for consideration or potential use of products. Information submitted in the Product Information Form (PIF) is considered proprietary and is only available to the submitter and DoD personnel. This website employs government security standards (.gov) to protect data and prevent the unauthorized download or changing of information.

NOTE: This Product Introduction Process is not designed as a marketing tool. The web based process does not qualify your product to any specification or standard nor does it guarantee procurement of your product by any DoD agency.

### Access Product Information Form(s)

\* Users with pop-up blockers enabled should hold the Ctrl key while clicking on the Product Information Access button until a second window or tab opens with the Product Information Forum.

# **Phase I Information & Spec Search**

Information on Selling to the Government (GSA),
Military, etc.



tome Me

Members

Reference Library

Societies & Associations

Other Corrosion Websites

WIPTs & Working Groups

Search

### DLA: Doing Business with the Defense Logistics Agency

DLA provides this training program for small businesses, to educate them on doing business with the Federal Government, specifically DLA, and facilitate their computing more effectively in the new environment of long-term contracts, arime vendor contracts, and other new business practices.

### Doing Business with the Department GSA: How to Sell to the Government of Defense

DefenseLink offering a list of references to assist vendors to do business with the US Department of Defense.

US General Services Administration (GSA) is the federal government's business manager, buyer, real estate developer, telecommunications manager, and IT solutions of the control of the co

GSA offers businesses the opportunity to sell billions of dollars worth of products and services to federal agencies through contract vehicles.

### Specs & Standards

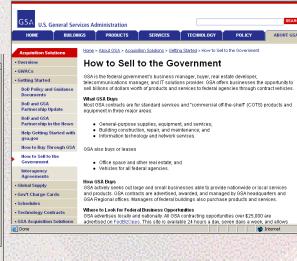
- To search/review Corrosion Prevention and Control (CPC) Specifications and Standards used by the DoD select the link below.
  - Specs and Standards Search Tool

Address (a) http://www.gsa.gov/Portal/gsa/ep/content/view.do?contentType=GSA\_BASIC&contentId=13439&noc=



Ensure our workforce is enabled and empowered to deliver and sustain





# **Phase I Information & Spec Search**

**Specs & Standards Search Tool** 



DLA: Doing Business with the Defense Logistics Agency

DLA provides this training program for small businesses, to educate them on doing business with the Federal Government, specifically DLA, and facilitate their competing more effectively in the new environment of long-term contracts, prime vendor contracts, and other new business practices.

of Defense

DefenseLink offering a list of references to assist vendors to do business with the US Department of Defense.

Doing Business with the Department GSA: How to Sell to the Government Specs & Standards

US General Services Administration (GSA) is the federal government's business manager, buyer, real estate developer, telecommunications manager, and IT solutions provider. GSA offers businesses the opportunity to sell billions of dollars worth of products and services to federal agencies through contract vehicles.

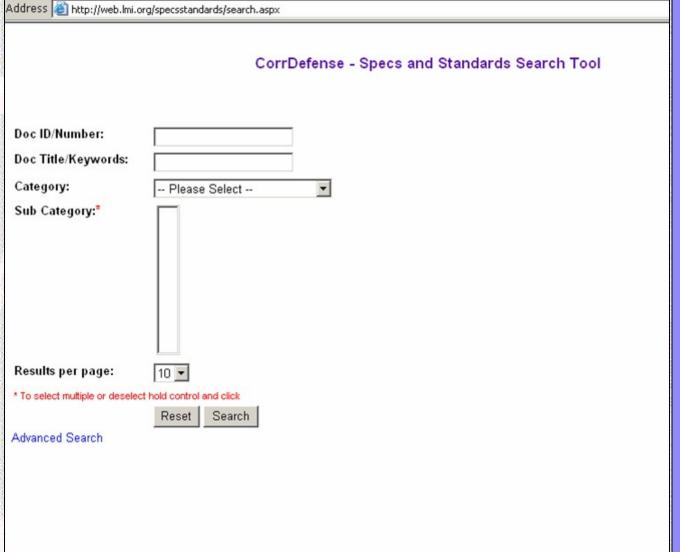
To search/review Corrosion Prevention and Control (CPC) Specifications and Standards used by the DoD select the link below

Specs and Standards Search Tool

# **Specifications and Standards Search Tool**

**Specifications & Standards Database includes 861 Corrosion Prevention and Control (CPC) Products** used by the Department of Defense.

# Search Specs & Standards Tool (Basic Search)



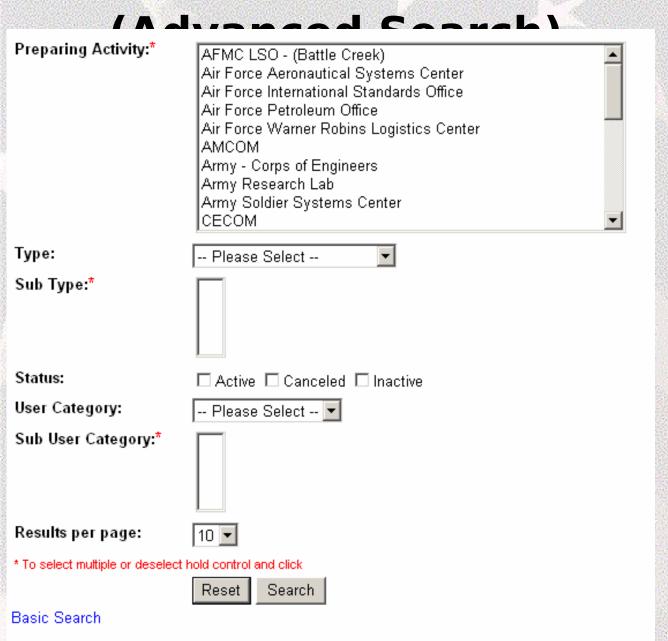
- DoD utilizes over 800 specifications to define Products used for corrosion prevention and control.
- A Taxonomy was developed to group these specs into technology areas.
- •Search Specs and Stds allows any supplier to identify; applicable specs, potentially interested

# Spec Categories & Sub-Categories Categories Categor

Doc ID/Number: Doc Title/Keywords: Category: Sealants Surface Treatments Finish Sub Category:\* Inorganic Coatings Primers: Miscellaneous Processes Grease and Lubricants Adhesives Cleaners Solvents Strippers TopCoats & Coating Systems Miscellaneous Products CPC Inhibitors Sealants Results per page: 10 🔻 Category: Sealants \* To select multiple or deselect hold control and click Sub Category:\* Aviation Applications General Reset Search Aviation Fuel Tank Applications Facilities Caulks and Sealants Advanced Search Facilities Preservatives Miscellaneous Ordance Applications Ship Applications Silicone Adhesive Sealants Thread Sealing Compounds

**Technical** Categories let suppliers narrow down applicable specs from over 800 corrosion related specification s and standards maintained in the database

# Standards Tool



### Search By:

- Preparing Activity
- Type:

(Mil/Fed or NGS)

• Sub-Type:

1<sup>st</sup> Article

CID

OPL

Other • Status

• User & Sub-User

Results can be:

Displayed in multiple ways (10, 25, or 50 per page or all).

 Exported to an MS Excel file

# **Search Results for All Specs**

### CorrDefense - Specs and Standards Search Tool

Show Search Criteria

Your Search returned 861 results.

Document ID	Document Title	Category - Sub Category	Preparing Activity	More Info
A-A-50557	PRIMER, WATER-BORNE, ACRYLIC OR MODIFIED ACRYLIC, FOR METAL SURFACES	Primers - Acrylic	DSC Philidelphia	More
MIL-P-11414	PRIMER, ALKYD, FAST DRY, CORROSION INHIBITING, LEAD AND CHROMATE FREE, VOC COMPLIANT	Primers - Alkyd	Army Research Lab	More
SSPC-PAINT13	PAINT, SHOP, RED OR BROWN ONE-COAT	Primers - Alkyd	DSC Philidelphia	More
SSPC-PAINT15	PAINT SPECIFICATION NO. 15, STEEL JOIST SHOP PAINT TYPE I, RED OXIDE PAINT TYPE II, ASPHALT COATING	Primers - Alkyd	DSC Philidelphia	More
TT-P-1757	PRIMER COATING, ALKYD BASE, ONE COMPONENT	Primers - Alkyd	NAVAIR	More
MIL-P-53084	PRIMER, CATHODIC ELECTRODEPOSITION, CHEMICAL AGENT RESISTANT	Primers - CARC	Army Research Lab	More
MIL-P-53022	PRIMER, EPOXY COATING, CORROSION INHIBITING, LEAD & CHROMATE FREE	Primers - Epoxy	Army Research Lab	More
MIL-P-53030	PRIMER COATING, EPOXY, WATER REDUCIBLE, LEAD AND CHROMATE FREE	Primers - Epoxy	Army Research Lab	More
MIL-PRF-23377	PRIMER COATINGS: EPOXY, HIGH-SOLIDS	Primers - Epoxy	NAVAIR	More
MIL-PRF-85582	PRIMER COATINGS: EPOXY, WATERBORNE	Primers - Epoxy	NAVAIR	More
12345678910				

New Search	Refine Search	Print Preview All Results	Print Current Page	Export to Excel
------------	---------------	---------------------------	--------------------	-----------------

# Search **Results Hot** Linked

CorrDefense

**Document Tit** 

Show Search Criteria

Document ID

MIL-PRF-81309

MIL-DTL-85054

MIL-L-87177

MIL-P-24138

MIL-PRF-16173

Your Search returned 10 results.

A-A-59295	CORROSION PREVENTIVE COMPOUNT (FOR NEW AND FIELDED MOTOR) EH
MIL-PRF-46002	PRESERVATIVE OIL, CONTACT AND VINHIBITED
MIL-C-11796	CORROSION PREVENTIVE COMPOUNI APPLICATION
MIL-C-15074	CORROSION PREVENTIVE, FINGERPR
MIL-C-40084	CORROSION PREVENTIVE COMPOUNI OIL TYPE
MIL DDE 04000	CORROSION PREVENTIVE COMPOUNI

ULTRA-THIN FILM

# ASSIST - Enterprise Access Revision History

ASSIST - Enterprise Access - Microsoft Internet Explorer provided by NMCI

View Favorites Tools Help

Document ID: MIL-PRF-16173E

→ √ (S) (\$)

Title: CORROSION PREVENTIVE COMPOUND, SOLVENT CUTBACK, COLD-APPLICATION

Address 👸 http://assist.daps.dla.mil/eAccess/index.cfm?ident\_number=11668&dt=02272007144437&p\_kev= 🔻

\_ I I X 

Links "

∂GO.

Scope: This specification covers solvent-despersed corrosion preventive compounds that deposit thin, easily removable films after evaporation of solvent.

Doc Date: January 06, 1993

FSC/Area: 8030 - PRSRVTV & SEALING COMPOUNDS

Prep Acty: SH - Naval Sea Systems Command (Ship Systems)

**Document Active** Status:

Amendments to military specifications or specification sheets issued after August 1, 2003, are no longer published as stand-alone documents, but are incorporated in the modified document.

Click on column headings for a description of column content.

<u>Media</u>	Document Part Description	Document Date	<u>Pages</u>	<u>Size</u>
<b>F</b>	Revision E	06-JAN- 1993	40	3524.7 KB
<b>303</b>	Revision D Amendment 2	19-NOV- 1968	6	172.2 KB
<b>P</b>	Revision D	20-OCT- 1966	28	1755.5 KB

Please note that digital document images are available in Portable Document Format (PDF) and accessing them requires

Print Preview All Results New Search Refine Search

COLD-APPLICATION

DISPLACING, SYNTHETIC

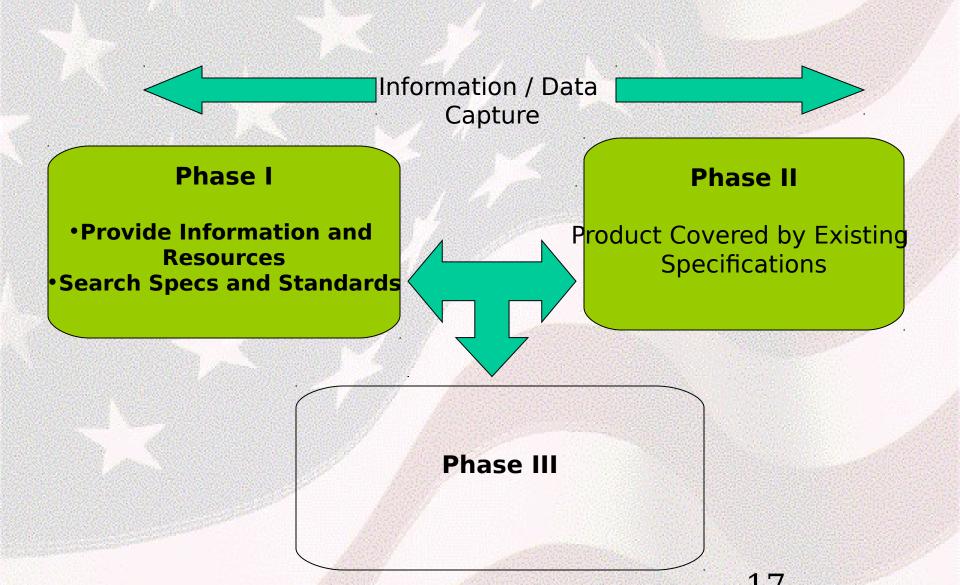
COPROSION PREVENTIVE COMPOUNI

LUBRICANTS, CORROSION PREVENTIN

PASSIVATOR COMPOUND, NAVY BOIL CORROSION PREVENTIVE COMPOUNI

Print Current Page

## **The Product Introduction Process**



### **Phase II Production Introduction Process**

### **Product Introduction Process**

This DoD web-based Product Introduction Process (PIP) is designed to assist suppliers in matching their product(s) to specifications and standards currently used by the DoD for corrosion prevention and control (CPC) and to facilitate the introduction of these CPC products to DoD agencies. Once you have identified the applicable specification(s) that matches your product, the appropriate steps to proceed forward for that type of specification will be provided (Qualified Products List, Non-Government Standards, Purchase Description, etc.). For example, for specifications with formal qualification, you will need to submit a formal request for testing to the appropriate cognizant Agency Point of Contact.

Registration to CorrDefense is required to access this feature of the site which includes: saving of specification searches for later use and submitting information to the DoD for consideration or potential use of products. Information submitted in the Product Information Form (PIF) is considered proprietary and is only available to the submitter and DoD personnel. This website employs government security standards (.gov) to protect data and prevent the unauthorized download or changing of information.

NOTE: This Product Introduction Process is not designed as a marketing tool. The web based process does not qualify your product to any specification or standard nor does it guarantee procurement of your product by any DoD agency.

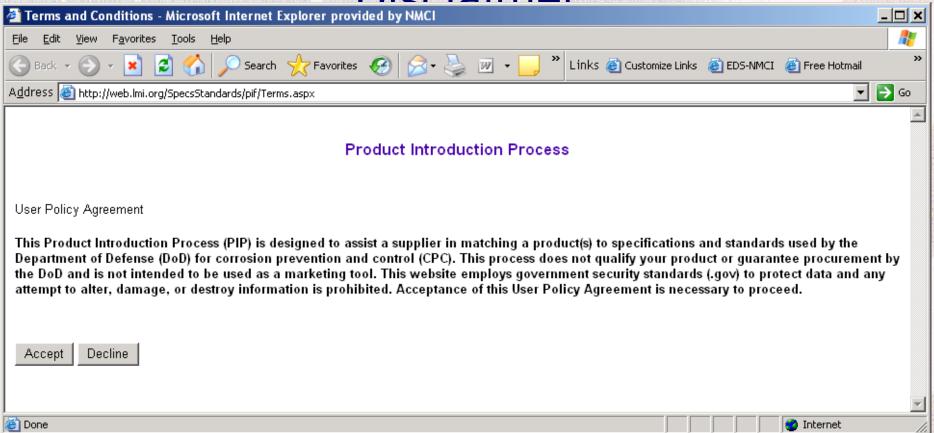
Access Product Information Form(s)

\* Users with pop-up blockers enabled should hold the Ctrl key while clicking on the Product Information Access button until a second window or tab opens with the Product Information Forum.

Product Introduction Entry Point

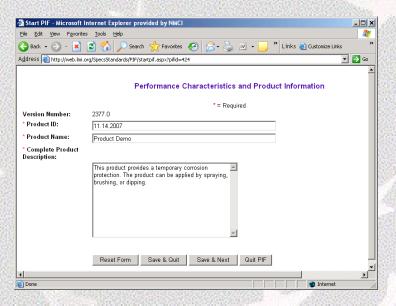
# **Product Introduction Process**

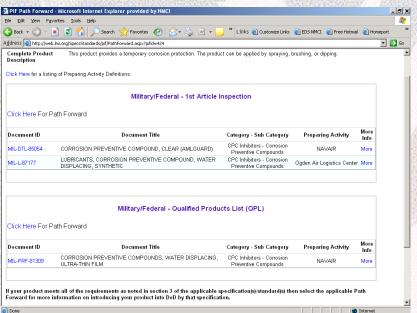
### Disclaimer

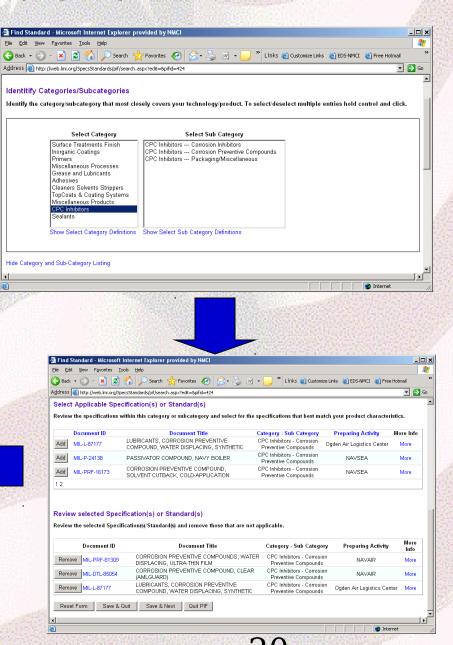


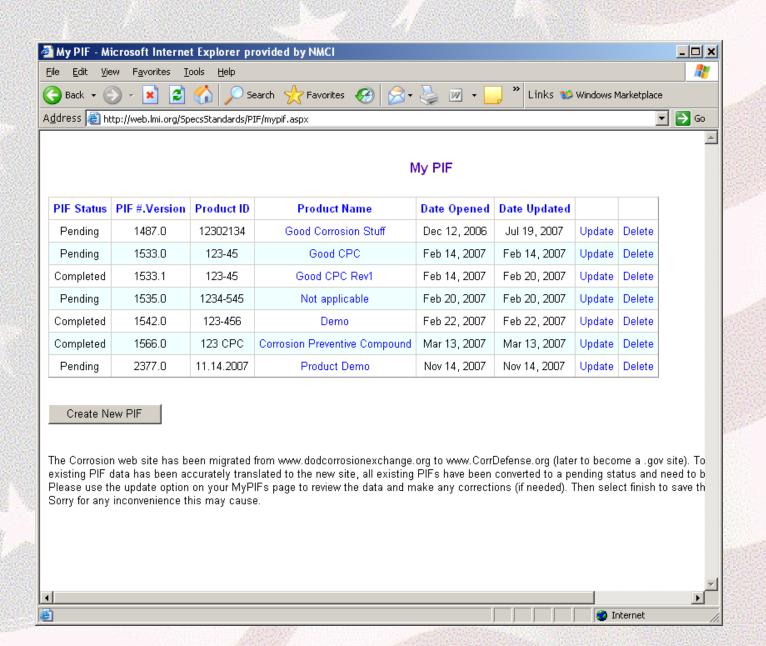
The user must accept the User Policy Agreement during each session until a PIF status is marked COMPLETED in order to utilize the Product Introduction

### **Phase II Flow Overview**









### **Completed PIF Example**

Version Number: Drockup ID-

1566.0 123 CPC

Produce Name: Corresion Preventive Compound Complete Product Corresion Preventive Compound for general use

Technical Point of Contact

Name:

Robert Herrori

Emalt robort a homon@us.army.mil Phone: 256-876-5061

Company Name: Department of the Army

DEPARTMENT OF THE ARMY US ARMY RESEARCH, DEVELOPMENT, AND ENGINEERING COMMAND AVIATION AND MISSILE RESEARCH, DEVELOPMENT, AND ENGINEERING CENTER Address

REDSTONE ARSENAL CW: State:

Zip Code: 35898-5000 Country:

Click Here for a listing of Propering Activity Delinitions.

### Military/Federal - 1st Article Inspection

#### Click Here For Path Forward

Document 10	Document This	Campory - Sub Campory	Preparing Activity	Hora
ML-0-82504	CORROGION PREVENTIVE COMPOUND AND SURFACE SEALER FOR MONFERROUS METALS	CPC Inhibitors - Corresion Preventive Compounds	NAVSEA-Ord	More
MIL-L87177	LUBRICANTS, CORROSION PREVENTIVE COMPOUND, WATER DISPLACING, SYNTHETIC	CPC inhibitors - Corresion reventive Compounds	Ogden Air Logistics Center	Mon

### Military/Federal - Qualified Products List (QPL)

### Click Here For Path Forward

Document 10	Document This	Category - Sub Category	Preparing Activity	linio
MC-PRF-81300	CORROGION PREVENTIVE COMPOUNDS, WATER DISPLACING, ULTRA-THIN FILM	CPC Inhibitors - Correctors Preventive Compounds	NAVAIR	Mors
ML-PRF-16173	CORROGION PREVENTIVE COMPOUND, SOLVENT GUTBACK, COLD-APPLICATION	CPC Inhibitors - Corrosion Preventive Compounds	NAVBEA	More

### Military/Federal - Commercial Item Description (CID)

#### Click Here For Path Forward

Document ID	Document Tale	Campory - Sub Campory	Preparing Activity	More
A.A. 50205	CORROSION PREVENTIVE COMPOUNDS, COLD APPLICATION (FOR NEW AND FIELDED MOTOR VEHICLES AND TRAILERS)	CPC Inhibitors - Correctors Preventive Compounds	TACOM	More

Close | Print

MIL/FED-Spec/Std Qualified Products List (QPL) Path Forward

You have selected a standard or specification that has a Qualified Products List.

I. The following information is provided to facilitate the introduction of your product. A. For an overview of the Defense Standardization Program (DSP) and how products are specified, please click the following link.

### **DSP Overview Brief**

B. To review the documents that outline the DSP, and the program and provisions for the qualification process, please click the following links.

DoD 4120.24-M
http://www.dsp.dia.mi7APP UU/bontent/documents/4120.24-M/default.htm Enter Document ID "SD-20" in the ASSIST Quick Search http://assist.daps.dia.ml/quicksearch/

Enter Document ID "SD-6" in the ASSIST Quick Search http://assist.dapa.dia.mi/quicksearch/

C. For a specific description of the CPL process, please click the following link.

**CPL Process Brief** 

- The following instructions are provided to pursue the qualification of your product.
  - A. Once you have reviewed the information about qualification and determined the specific Specification, Type, Class, etc. that applies to your product, contact the designated qualitying activity.
  - B. The qualitying activity name and contact information for this standard or specification can be found in Section 6.X of the document.

- C. Follow the qualification process as outlined in IC until all steps have been completed.
- D. For information on selling products to the government for legacy procurements under an inactive document, please use the information provided below in Section III.
- NOTE: Specifications/Standards that are in inactive status cannot be used for new acquisitions.
- E. If the specification you have been directed to has been canceled, you should go to the document files in Assist and review the cancellation notice. This notice may provide information such as the most current documents that have replaced this specification (if applicable).
- III. The following information is provided to sell qualified products to the government. A. For instructions on selling products to the government, please click the following links.

DLA http://www.dtc.dia.mil/dsEustness/Course.html

http://www.gsa.gov/Porta/gsa/op/ contant/view.do?contentType\_GSA\_BASIC&bontentId=13439&noc=T

B. For information on the DOD acquisition process, please click the following link.

C. For an explanation of the difference between qualification and authorization/implementation, please click the following link.

Authorization Brief (Qualified Products List)

### **The Product Introduction Process**

Information / Data Capture

### Phase I

- Provide Information and Resources
- Search Specs and Standards

### Phase II:

Product Conforms to Exiting Specifications

### Phase III:

Product introduction of new products or product applications not covered by existing specifications or standards.

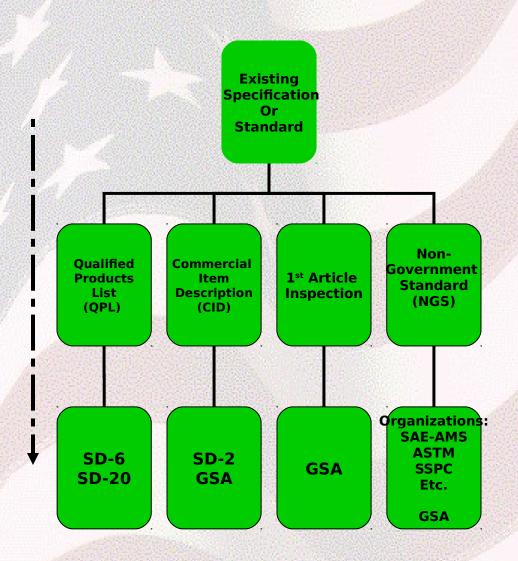
### **Product Introduction Process**

1. Does the product meet the requirements of an existing specification? (YES or NO)

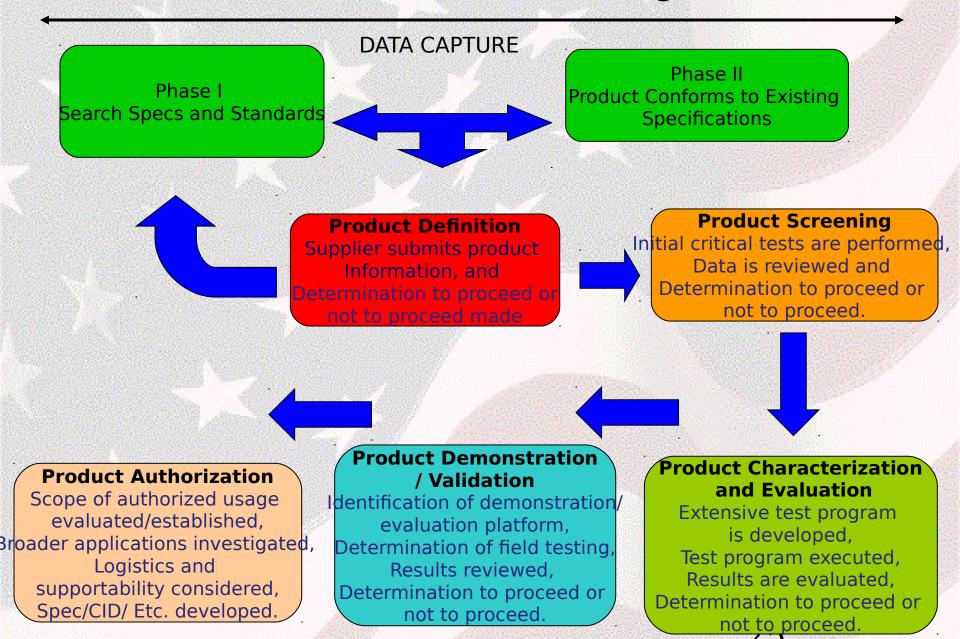
2. If YES, then what is the product introduction path applicable to the specification?

3. If NO, then what is the product introduction path?

Phase III



### **SSQP PHASE III Flow Diagram**



# **Qualificatio**

- Meets Mini um Specified Requirements (QPL/QPD)
- Acceptable for where specification is approved for use in Tech Orders, Manuals, Drawings, etc.
- Does not insure/promise procurement (i.e., Must follow standard GSA, DLA, etc. procurement processes
- Qualification does not automatically mean Product Authorization

# **Authorizatio**

- Approves <u>Moduct's use</u> for a specific application
- Used for new products or different applications of existing products
- Path to Authorization
  - ✓ Lab testing
  - √ Field prototype
  - ✓ Verification/Validation
  - ✓ Data analysis and use envelope definition
- Authorization letter, Local Process Spec, Tech Order or Manual, etc. Issued

